

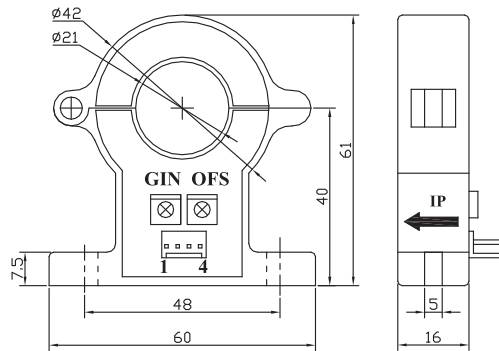


应用霍尔效应开环原理的电流传感器，能在电隔离条件下测量直流、交流、脉冲以及各种不规则波形的电流。
Open loop current sensor based on the principle of Hall-effect. It can be used for measuring AC,DC,pulsed and mi.

电参数/Electrical characteristics

型号 Type	FS050EK1	FS100EK1	FS200EK1	FS300EK1	FS400EK1	FS500EK1	FS500EK1T		
I_{PN}	原边额定输入电流 Primary nominal input current								A
I_P	原边电流测量范围 Measuring range of primary current								A
V_{OUT}	副边额定输出电压 Nominal output voltage								V
V_C	电源电压 Supply voltage								V
I_C	电流消耗 Current consumption								mA
V_d	绝缘电压 Insulation voltage								
ϵ_L	线性度 Linearity								%FS
V_0	零点失调电压 Offset voltage								mV
V_{OM}	磁失调电压 Residual voltage								mV
V_{OT}	失调电压温漂 Thermal drift of V_0								mV/C
T_r	响应时间 Response time								μs
f	频带宽度(-3dB) Frequency bandwidth(-3dB)								kHz
T_A	工作环境温度 Ambient operating temperature								C
T_S	贮存环境温度 Ambient storage temperature								C
R_L	负载电阻 Load resistance								Ω
	标准 Standard								

外形尺寸 (mm) /Dimensions of drawing (mm)



引脚说明：1,+15V 2,-15V 3,Vout 4,0V(电源地) OFS,零点调节GIN,幅度调节
Elucidation: 1:+15V 2:-15V 3: VOUT 4:0V(GND) OFS:Zero adjustment GIN:Gain adjustment

使用说明/Remarks

- 错误的接线可能导致传感器损坏。传感器通电后，当被测电流从传感器箭头方向穿过，即可在输出端测得同相电压值。
 - 传感器的输出幅度可根据用户需求进行适当的调节。
 - 可按用户需求定制不同额定输入电流和输出电压的传感器。
- Incorrect connection may lead to the damage of the sensor.
·VOUT is positive when the IP flows in the direction of the arrow.